

Amendments to the Drawings:

The attached drawing sheet(s) include changes to Fig. 1. In Fig. 1, reference numbers have been added. Additionally, Figs. 2 and 3 have been added. Support for Fig. 2 is found in Applicants' specification at, for example, claim 1 as originally filed and paragraphs [0005] and [0010]. Support for Fig. 3 is found in Applicants' specification at, for example, claim 8 as originally filed and paragraph [0034].

REMARKS/ARGUMENTS

In the Office Action mailed October 15, 2007, claims 1 – 20 were rejected. Additionally, claim 1 was objected to. In response, Applicants have amended claims 1 and 9. Applicants hereby request reconsideration of the application in view of the amended claims and the below-provided remarks.

For reference, Fig. 1 has been amended to include reference numbers and Figs. 2 and 3 have been added. Support for Fig. 2 is found in Applicants' specification at, for example, claim 1 as originally filed and paragraphs [0005] and [0010]. Support for Fig. 3 is found in Applicants' specification at, for example, claim 8 as originally filed and paragraph [0034].

Claim 1 has been amended to recite “and/or” as suggested in the Office action.

Response to Claim Rejections

Claims 1 – 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Guillard (U.S. Pat. No. 6,114,975). However, Applicants respectfully submit that these claims are patentable over Guillard for the reasons provided below.

Claim 1

Claim 1 has been amended to particularly point out that “the GPS signal samples contain an interference (IF) signal which remains modulated.” Support for this amendment is found in Applicants' specification at, for example, paragraph [0010]. As amended, claim 1 recites:

“A GPS receiver comprising
a GPS antenna and
a GPS RF front-end including
an analogue to digital converter for sampling received GPS
signals; and
a processor for outputting the ***GPS signal samples together with ancillary information*** either directly or indirectly describing characteristics of the GPS signal samples and/or the GPS signals contained therein, ***wherein the GPS signal samples contain an interference (IF) signal which remains modulated.***” (emphasis added)

That is, the GPS receiver outputs GPS signal samples together with ancillary information. Additionally, the GPS signal samples contain an IF signal which remains modulated.

Applicants assert that amended claim 1 is not anticipated by Guillard because Guillard does not disclose a GPS receiver configured to output GPS signal samples together with ancillary information, wherein the GPS signal samples contain an interference (IF) signal which remains modulated.

Guillard discloses the “general principals of a GPS receiver.” (col. 5, line 33) With reference to Fig. 1, Guillard discloses that GPS signal samples are output from the ADC (40). Although Guillard discloses that GPS signal samples are output from the ADC (40), Guillard does not disclose that the GPS signal samples are output together with ancillary information that either directly or indirectly describing characteristics of the GPS signal samples and/or the GPS signals contained therein as recited in amended claim 1.

Guillard also discloses that position information is output from a GPS receiver as is well known in the field global position systems. However, Guillard does not disclose that GPS signal samples are output together with ancillary information, where the GPS signal samples contain an IF signal which remains modulated.

With reference to Fig. 3, Guillard discloses a frame format for transmitting information from a target (e.g., a ship) to an aircraft (e.g., a helicopter). The information carried in the frame format includes, for example, satellite ID information, pseudo-distance measured to a satellite, and pseudo-velocity measured with respect to a satellite, col. 7, lines 47 – 67. While the information carried in the frame format is related to the position of the target relative to the aircraft and may be interpreted as “ancillary information,” the information carried in the frame format is not sent together with the GPS signal samples. Referring to Fig. 3 in particular, the frame format does not include GPS signal samples as recited in claim 1. Further, the information carried in the frame format of Fig. 3 does not describe characteristics of the GPS signal samples, where the GPS signal samples contain an IF signal which remains modulated. Rather, the information carried in the frame format includes, for example, satellite ID information,

pseudo-distance measured to a satellite, and pseudo-velocity measured with respect to a satellite, col. 7, lines 47 – 67.

Because Guillard does not disclose a GPS receiver configured to output GPS signal samples together with ancillary information, wherein the GPS signal samples contain an interference (IF) signal which remains modulated as recited in amended claim 1, Applicants assert that amended claim 1 is not anticipated by Guillard.

Independent Claim 9

Independent claim 9 is a method claim that has been amended to include similar limitations to claim 1. In view of the similarities between claim 9 and claim 1, Applicants assert that the remarks provided above in regard to claim 1 apply also to claim 9. Accordingly, Applicants respectfully assert that independent claim 9 is not anticipated by Guillard.

Dependent Claims 2 – 8 and 10 – 20

Claims 2 – 8 and 20 are dependent on claim 1 and claim 10 – 19 are dependent on claim 9. Applicants respectfully assert that claims 2 – 8 and 10 – 20 are allowable at least based on allowable base claims. Additionally, these claims may be allowable for the reasons set forth below.

Claims 3 – 7 and 12 – 16 recite additional specific details related to the ancillary information. Applicants assert that Guillard does not disclose ancillary information that includes any of the specific limitations recited in claims 3 – 7 and 12 – 16.

CONCLUSION

Applicants respectfully request reconsideration of the claims in view of the amendments and the remarks made herein. A notice of allowance is earnestly solicited.

At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account **50-3444** pursuant to 37 C.F.R. 1.25. Additionally, please charge any fees to Deposit Account **50-3444** under 37 C.F.R. 1.16, 1.17, 1.19, 1.20 and 1.21.

Respectfully submitted,

/mark a. wilson/

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Mark A. Wilson
Reg. No. 43,994

Wilson & Ham
PMB: 348
2530 Berryessa Road
San Jose, CA 95132
Phone: (925) 249-1300
Fax: (925) 249-0111